

Table A-11. Mean[†] yield and agronomic traits of 40 Maturity Group IV Late (4.6 - 4.9) soybean varieties evaluated in small plot replicated trials at the Highland Rim AgResearch and Education Center - Irrigated Trial in Springfield, Tennessee during 2024.

Variety	Herbicide Pkg [†]	Avg. Yield [§] (bu/ac)	Moisture at Harvest (%)	Maturity (DAP)	Plant Height (in.)	Lodging ^{††} (1-5)
Revere 49-F36	XF	71 A	10.1 B-H	133 A	39 A-F	1.3
Pioneer P47Z15BE	E3S-Bolt	70 AB	9.1 JK	129 A	39 A-H	1.0
Dyna-Gro S49XF43S	XFS	67 A-C	9.4 E-K	131 A	33 J-M	1.0
Donmario DM48F53	XF	66 A-D	9.6 D-K	131 A	30 M	1.0
CNI Integra XF4634S	XF	65 A-E	9.2 I-K	129 A	42 AB	1.0
Progeny 4947XFS	XFS	64 A-F	10.8 AB	133 A	41 A-C	1.2
Asgrow AG49XF4	XFS	64 A-G	9.4 F-K	129 A	40 A-D	1.0
USG 7461XFS	XFS	64 A-H	11.5 A	132 A	41 AB	1.0
Pioneer P49Z02E	E3	62 A-I	8.9 K	131 A	33 J-M	1.0
Dyna-Gro S48XF35	XF	62 A-I	9.7 C-K	132 A	34 G-M	1.0
Pioneer P46A90LX	RR2X/LL	62 A-I	9.6 D-K	128 A	38 B-I	1.0
Innvictis A4862XF	XF	62 A-I	9.6 C-K	131 A	34 G-M	1.0
USG 7485ETS	E3S	61 B-J	10.3 B-D	131 A	39 A-F	1.3
Progeny 4604XFS	XFS	61 B-J	9.8 C-J	132 A	38 B-I	1.0
CNI Fortus 4655ES	E3	60 B-K	9.9 C-J	128 A	35 F-L	1.0
Progeny 4623XF	XF	60 C-L	9.5 D-K	131 A	35 F-L	1.0
CNI Integra XF4875S	XF	60 C-L	10.2 B-F	133 A	38 B-J	1.0
Revere 47-F77	XF	59 C-L	9.3 H-K	128 A	43 A	1.0
Pioneer P48Z70BLX	E3S-Bolt	58 C-L	9.4 F-K	130 A	41 A-C	1.0
Pioneer P46Z53E	E3	58 D-M	9.5 D-K	127 A	33 J-M	1.0
Xitavo XO 4894E	E3	58 D-M	10.5 BC	128 A	39 A-G	1.0
Donmario DM46F54S	XF	57 D-M	9.5 D-K	127 A	40 A-E	1.0
USG 7495XFS	XFS	57 D-M	9.8 C-J	132 A	39 A-H	1.0
Great Heart GT4756XF	RR/LL	57 D-M	9.7 C-K	129 A	34 G-M	1.0
USG 7474XFS	XFS	57 E-M	9.5 D-K	129 A	34 H-M	1.0
Innvictis A4814XF	XF	56 E-M	9.4 F-K	132 A	33 K-M	1.0
Innvictis A4664XF	XF	56 E-M	9.4 F-K	128 A	34 G-M	1.0
Progeny 4691XFS	XFS	56 E-M	10.3 B-E	131 A	42 AB	1.0
Progeny 4848XF	XF	55 E-M	9.1 JK	129 A	35 E-L	1.0
USG 7494ETS	E3S	55 F-M	10.1 B-G	128 A	36 C-L	1.0
Xitavo XO 4772E	E3	55 F-M	10.0 B-I	129 A	32 LM	1.0
Innvictis A4924XF	XF	55 G-M	9.1 JK	130 A	34 H-M	1.0
Progeny 4775E3S	E3S	55 H-M	9.8 C-J	129 A	37 B-K	1.0
USG 7463XF	XF	54 I-M	9.3 G-K	127 A	35 E-L	1.0
Progeny 4999E3S	E3S	53 I-M	9.5 D-K	128 A	39 A-H	1.0
Revere 4826XFS	XFS	52 J-M	9.6 D-K	128 A	34 I-M	1.0
Dyna-Gro S47XF23S	XFS	52 K-M	9.1 JK	129 A	33 J-M	1.0
Progeny 4798XF	XF	51 K-M	9.9 C-J	131 A	35 E-L	1.5
Progeny 4806XFS	XFS	51 LM	9.7 C-K	129 A	36 D-L	1.0
MO S20-7117	Conv	50 M	9.5 D-K	128 A	33 K-M	1.0
Average		59	9.7	130	37	1.0
Standard Error		5	0.3	1	2	0.1
L.S.D. _{.05}		10	0.9	2	5	-
C.V.		10	6	1	8	-

[†] Varieties that have any MS letter in common are not significantly different at the 5% level of probability.

- Values highlighted in orange are above average, values highlighted in dark orange are in the upper 25%. MS letters highlighted in dark orange are in the "A group", indicating no statistical difference from the top-performing variety, for a given trait.

- C.V. is only reported for variables evaluated on a ratio scale.

- L.S.D. values are given for ANOVA that were significant at P<0.05. Variables in which minimal variation was observed were not subjected to ANOVA and are reported as N.S.

‡ For a full description of abbreviated biotech traits, see table 23.

* Asterisks after a name indicate the number of preceding consecutive years in the top-performing "A" group.

§ All yields are adjusted to 13% moisture.

†† Lodging was evaluated on a scale of 1 (no lodging) to 5 (complete lodging).